

Application No. 10/776,966
Amendment dated August 3, 2005
Reply to Office Action of February 9, 2005

Amendments to the Specification

Please amend paragraph [0030] as follows:

[0030] Referring to FIG. 3, the housing or heating head 24 for the burner assembly 22 has a dual-walled construction that preferably includes a tubular shaped inner wall 37 having the central longitudinal axis 10a extending through it and an outer surface 37a facing a generally tubular outer wall 31 disposed coaxially about the inner wall 37. The annulus between the head walls 31 and 37 is preferably formed into a plurality of flue chambers 33 as discussed in more detail hereinafter. To maximize heat transfer from the hot gases of combustion traveling through the flue chambers to the outer wall 31, insulative material 39 is provided along and preferably on the interior surface 37b of head inner wall 37. In this manner, heat energy otherwise lost in the inner space 41 of the head 24 is kept to a minimum, and heat transfer from the hot gases of combustion traveling through the flue chambers to the head outer wall is maximized. Preferably, the outer wall 31 has an undulated configuration in a direction transverse to the longitudinal axis 10a, as can be seen in FIGS. 3 and 4. Herein, the term undulated generally encompasses both [sooth] smooth curves and sharp angles, or both, for the peaks or raised portions 31a described below.